

**INVENTEK**

Dov Rosenfeld  
5507 College Avenue, Suite 2  
Oakland, CA 94618, USA  
Phone: (510)547-3378; Fax: (510)291-2985  
dov@inventek.com

**Fax****RECEIVED  
CENTRAL FAX CENTER**

JUL 26 2004

**OFFICIAL****Patent Application Ser. No.:** 10/731,924**Ref./Docket No:** CISCO-8385**Applicant(s):** Adams, et al.**Examiner.:** Tuan T. Lam**Filing Date:** December 9, 2003**Art Unit:** 2816**FAX COVER PAGE**

**TO:** Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

United States Patent and Trademark Office  
(Examiner Tuan T. Lam, Art Unit 2816)

**Fax No.:** 703-872-9306

**DATE:** July 26, 2004

**FROM:** Dov Rosenfeld, Reg. No. 38687

**RE:** Response to Office Action

*Number of pages including cover: 20*

RECEIVED  
JUL 29 2004  
OIP/E/JCWS

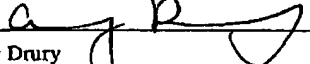
**OFFICIAL COMMUNICATION**

**PLEASE URGENTLY DELIVER A COPY OF  
THIS RESPONSE TO  
EXAMINER TUAN T. LAM, ART UNIT 2816**

**Certificate of Facsimile Transmission under 37 CFR 1.8**

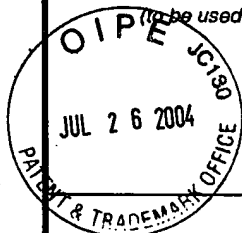
I hereby certify that this response is being facsimile transmitted to the United States Patent and Trademark Office at telephone number 703-872-9306 addressed the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on.

Date: July 26, 2004

Signed:   
Name: Amy Drury

# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)



Application Number

10/731,924

Filing Date

9 Dec 2003

First Named Inventor

Adams, Andrew R.

Group Art Unit

2816

Examiner Name

Tuan T. Lam

Attorney Docket Number

CISCO-8385

## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> To Convert a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Additional Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input checked="" type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Return Postcard
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Small Entity Statement	<input type="checkbox"/>
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request of Refund	<input type="checkbox"/>
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks	
<input type="checkbox"/>		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT/ CORRESPONDENCE ADDRESS

Firm or Individual name	Dov Rosenfeld, Reg. No. 38687
Signature	
Date	July 26, 2004

## ADDRESS FOR CORRESPONDENCE

Firm or Individual name	Dov Rosenfeld 5507 College Avenue, Suite 2, Oakland, CA 94618, Tel: +1-510-547-3378
-------------------------	---

## CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted with the United States Patent and Trademark Office at Telephone number 703-872-9306 addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date:

Type or printed name	Amy Drury	Date	July 26, 2004
Signature			

**RECEIVED  
CENTRAL FAX CENTER**

JUL 26 2004

Our Ref./Docket No: CISCO-8385

Patent

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**Applicant(s): Adams, *et al.*

Application No.: 10/731,924

Filed: December 9, 2003

Title: A FREQUENCY SYNTHESIZER  
USING A VCO HAVING A  
CONTROLLABLE OPERATING POINT,  
AND CALIBRATION AND TUNING  
THEREOF

Group Art Unit: 2816

Examiner: Tuan T. Lam

**TRANSMITTAL: RESPONSE TO OFFICE ACTION**Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**OFFICIAL**

Dear Commissioner:

Transmitted herewith is a response to an office action for the above referenced application.  
Included with the response are:

\_\_\_\_\_ drawing(s);

This application has:

\_\_\_\_\_ a small entity status. If a claim for such status has not earlier been made, consider  
this as a claim for small entity status.

\_\_\_\_\_ No additional fee is required.

**Certificate of Facsimile Transmission under 37 CFR 1.8**I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark  
Office at 703-872-9306 addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450  
on.Date: July 26, 2004

Signed: \_\_\_\_\_

Name: Amy Drury

S/N 10/731,924

Page 2

CISCO-8385

☒ Applicant(s) believe(s) that no Extension of Time is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for an extension of time.

\_\_\_\_\_ Applicant(s) hereby petition(s) for an Extension of Time under 37 CFR 1.136(a) of:

\_\_\_\_\_ one months (\$110) \_\_\_\_\_ two months (\$410)  
\_\_\_\_\_ three months (\$930) \_\_\_\_\_ four months (\$1450)

If an additional extension of time is required, please consider this as a petition therefor.

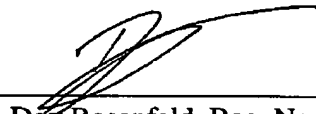
☒ A credit card payment form for the required fee(s) is attached.

☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-0292 (A DUPLICATE OF THIS TRANSMITTAL IS ATTACHED):

☒ Any missing filing fees required under 37 CFR 1.16 for presentation of additional claims.  
☒ Any missing extension or petition fees required under 37 CFR 1.17.

Respectfully Submitted,

July 26, 2004  
Date

  
Dov Rosenfeld, Reg. No. 38687

Address for correspondence:

Dov Rosenfeld

5507 College Avenue, Suite 2,

Oakland, CA 94618

Tel. +1-510-547-3378; Fax: +1-510-291-2985

JUL 26 2004

Our Ref./Docket No: CISCO-8385

Patent

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Adams, *et al.*

Application No.: 10/731,924

Filed: December 9, 2003

Title: A FREQUENCY SYNTHESIZER USING A  
VCO HAVING A CONTROLLABLE  
OPERATING POINT, AND CALIBRATION AND  
TUNING THEREOF

Group Art Unit: 2816

Examiner: Tuan T. Lam

OFFICIAL

## RESPONSE TO OFFICE ACTION UNDER 37 CFR 1.111

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Commissioner:

This is a response to the Office Action of May 14, 2004.

Any *amendments to the specification* begin on a new page immediately after these introductory remarks.Any *amendments to the claims* begin on a new page immediately after such *amendments to the specification*, if any.Any *amendments to the drawings* begin on a new page immediately after such *amendments to the claims*, if any.The *Remarks/arguments* begin on a new page immediately after such *amendments to the drawings*, if any.If there are drawing amendments, an *Appendix* including amended drawings is attached following the *Remarks/arguments*.

## Certificate of Facsimile Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office at 703-872-9306 addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on.Date: July 26, 2004Signed: 

Name: Amy Drury